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NAVY EXPERIMENTAL DIVING UNIT PANAMA CITY FL  
HALLORY CRIME ALERT (CAIA) INTRUDER DETECTOR SYSTEM.(U)  
FEB 73 M D TRAVERS

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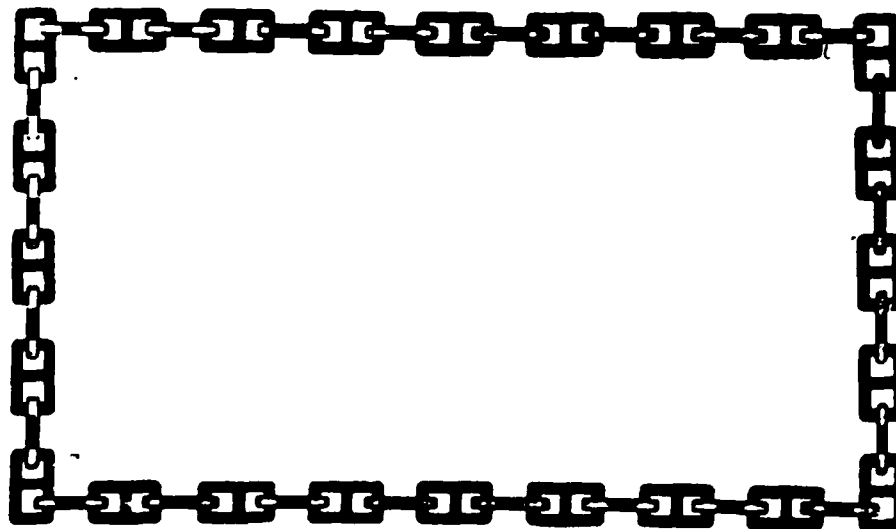
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NAVY EXPERIMENTAL DIVING UNIT  
WASHINGTON NAVY YARD  
WASHINGTON, D.C. 20390

EXPERIMENTAL DIVING UNIT REPORT

1-73

MALLORY CRIME ALERT (CAIA)  
INTRUDER DETECTOR SYSTEM

by

EMC(DV) M. D. TRAVERS, USN

February 1973

DTIC

Submitted

*M. D. Travers*  
H. D. TRAVERS  
EMC(DV), USN

Reviewed

*E. Whitaker*  
E. WHITAKER  
LCDR, USN  
Ass't Officer in Charge

Approved

*J. J. Coleman*  
J. J. COLEMAN  
CDR, USN  
Officer in Charge

M. D. TRAVERS  
EMC(DV), USN

E. WHITAKER  
LCDR, USN  
Ass't Officer in Charge

J. J. COLEMAN  
CDR, USN  
Officer in Charge

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## ABSTRACT

The Mallory Crime Alert (CAIA) Intruder Detector System was evaluated by the Navy Experimental Diving Unit during the period October 1972 to January 1973. There was an annoyance factor due to voltage fluctuation and insects noted. However, the system is suitable for intruder detection.

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## 1. Purpose

1.1 The purpose of this evaluation was to determine the suitability of this system to detect unauthorized personnel within the Navy Experimental Diving Unit, Building 214, Washington Navy Yard, Washington, D.C.

## 2. Method

2.1 Seven Mallory Crime Alert (CAIA) Intruder Detectors were installed in various spaces of the Navy Experimental Diving Unit, Building 214, Washington Navy Yard, Washington, D. C. on 11 October 1972. The system is designed to detect movement within a 15 foot radius of the sensors and trigger audio and visual alarms installed in the crew's lounge. Actual locations are described in Appendix A.

## 3. Results

3.1 During the period October 1972 to January 1973 the alarms were set by the duty man during periods of inactivity in the building. During the first week of this period, many false alarms occurred. The major causes were sensitivity settings, voltage fluctuation, and insects crawling across sensors. The latter occurred with basement mounted detectors.

3.2 From the second week on, false alarms were reduced by making sensitivity adjustments. However, false alarms did occur intermittently due to voltage fluctuation and in the basement due to insects.

3.3 All movement was detected by the duty man during this period of time.

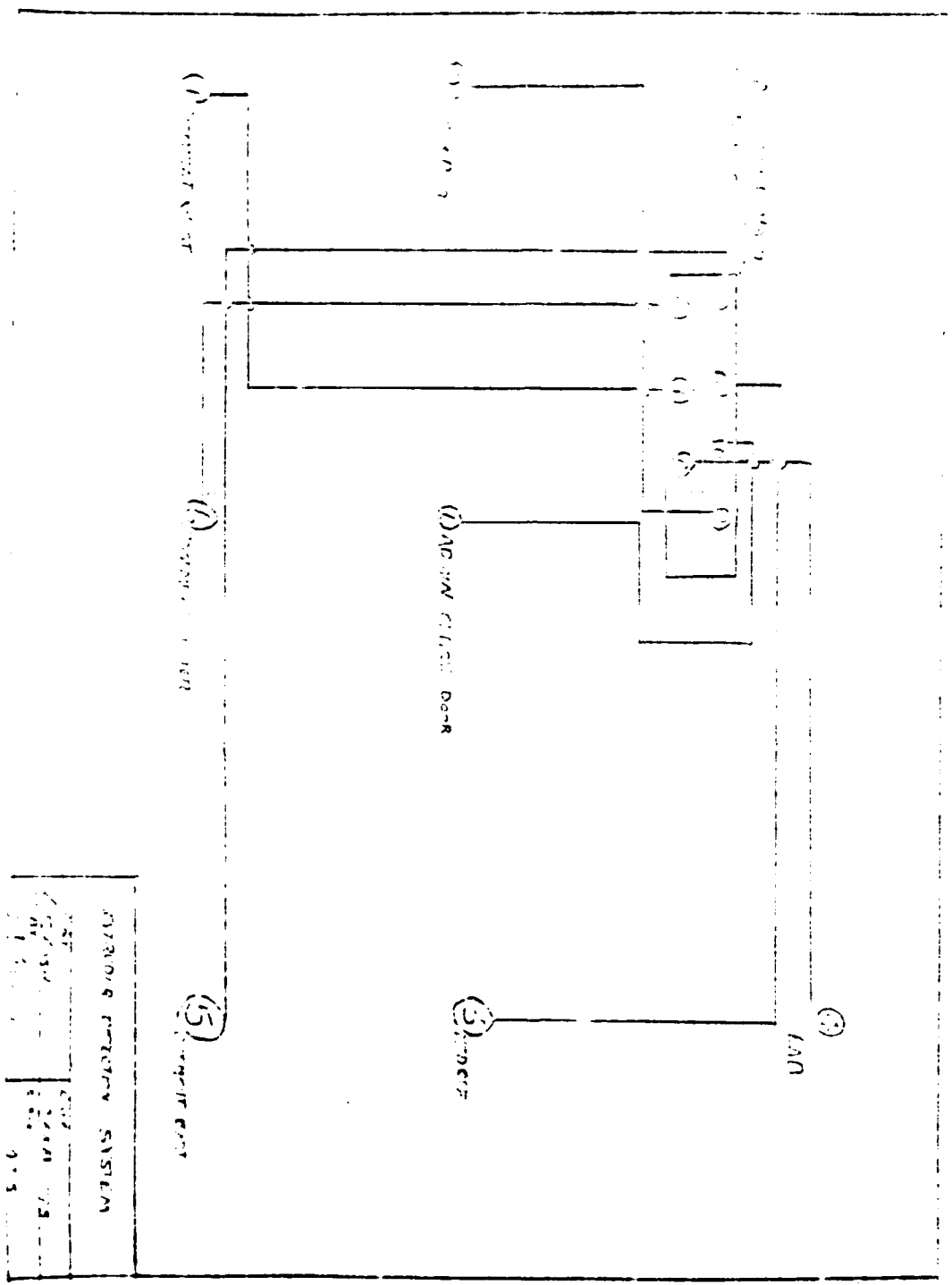
## 4. Conclusion

4.1 It is recommended the system be accepted.

## APPENDIX A

### Location of Units

UNIT 1	Outside Administrative Office Door
UNIT 2	School Door
UNIT 3	Medical Office
UNIT 4	Lab
UNIT 5	Basement West
UNIT 6	Basement Center
UNIT 7	Basement East



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